

This list is maintained to aid users. It was last updated on 6/10/2015.

The application is relatively new and not extensively proven in usage. Most features work as intended but may potentially fail under unusual circumstances.

Problems Reported

<i>Date</i>	<i>Problem</i>	<i>Status</i>
June 4, 2015	The chart area size doesn't adjust to fill the available space when series have been removed from all but one chart area.	Pending
May 1015	Imported data can't be saved after it is plotted.	Pending

Change Log

See Previous Changes below for a complete list.

Version 2.3.3 June 5, 2015

1. Corrected an error that caused the time window to be ignored.
2. Enhanced the gap detection logic for series connected with lines. The previous logic resulted in the disappearance of the line altogether under many circumstances.

Version 2.3.4 June 10, 2015

1. Corrected errors in metadata editing form. The form is updated correctly to show the selected metadata. An error that occurred when the Apply button is pressed but there are no changes has been eliminated: the form's data is compared with the current data to detect any changes.

Suggested Improvements

Date		
June 4, 2015	Support importing from a generic spreadsheet.	Data would be contained in a table. To facilitate automatic recognition of the table boundaries, the table would be surrounded by empty rows and columns. The first row would be assumed to contain headers. The first column would be date and time, the remaining columns would contain data. Cells in the column that are blank or non-numeric would be ignored.
	Allow user to change background	Enable changes to colors and gradients.
	Allow users to change y scales.	Similar to data management utility.
	Support annotations on a chart.	Annotations would not be saved. They could be captured by copying the graph image.
May 2015	Provide tools for editing time series values.	A preliminary form containing a grid (like an Excell grid) has been developed. It needs to be integrated with the main form and logic for saving the data, updating the plot and for undoing or redoing changes needs to be developed. A series tool has also been developed for changing the value of individual points. Undoing and redoing these changes has been implemented, but logic for saving the changes needs to be developed. The logic for managing changes needs to be as common as possible between the two tools.
April 2015	Support transfers of series from other sdf files.	In progress. It is not clear whether multiple open files would be supported or whether the import or export file would be limited to one instance.
	Support exports to the statistics applicaton "R".	An export routine has been created and initial testing conducted. The format for date and time exports remains an unresolved question.

Previous Changes

These changes were made prior to those listed under “Change” above.

August 4, 2014	<ul style="list-style-type: none">• Revised Paste Data to ignore empty value cells.• Enabled ability to select lines or points or both for a series.
August 13, 2014	<ul style="list-style-type: none">• The metadata variable AnalyteDefinition is copied from a pertinent series to the series resulting from an operation. Previously, the newly created variable was empty.• Date format changed to full date and time when chart series are copied to the clipboard for export.• Recognizes USGS samples below the non-detect limit and sets the value to the limit. This is consistent with how WDL data is handled.• Enabled tool for computation of monthly averages. May need to record the number of observations involved for use in computing loads.
August 15, 2014	<ul style="list-style-type: none">• Added a pop-up menu option to clear imported data that is not saved.
August 18, 2014	<ul style="list-style-type: none">• Added a tool to compute regressions between two series.
August 20, 2014	<ul style="list-style-type: none">• Updated the tree view handler to drop empty top level nodes. These occur when the group name for metadata is changed for the one remaining series in a group.
August 24, 2014	<ul style="list-style-type: none">• Added a trendline analysis tool• Modified the regression tool chart.
September 7, 2014	<ul style="list-style-type: none">• Added tools to compute annual average series by both calendar year and water year. Water year data is assigned the same date as calendar year (Jan 1), but spans the 12 months beginning with the previous October.• Add a tool to compute summary averages by month.• Added tools to adjust series display, including line width, chart type (line/points, stepped line and column).
September 8, 2014	<ul style="list-style-type: none">• Revised regression coefficients to use scientific notation in displaying very small or large numbers.
September 11, 2014	<ul style="list-style-type: none">• Added value of R to correlation display.• Enabled creation of new database without the need for template. The necessary tables are added by the application.• Added a tool to compute daily averages.• Added internal logic to interpolate a matching x series for an instantaneous y series.

September 15, 2014	<ul style="list-style-type: none"> Enabled import of CDEN spreadsheet data
September 18, 2014	<ul style="list-style-type: none"> Enabled editing rather than replacement of titles and axis labels
September 19, 2014	<ul style="list-style-type: none"> Fixed problems with plots of regressions and trendlines.
September 24, 2014	<ul style="list-style-type: none"> Enabled import of WDL “discrete sample data” from an Excel workbook. Choose <i>WDL (Excel Only)</i> on the imports menu.
October 29, 2013	<ul style="list-style-type: none"> Enabled use of right axis for a series Enabled ability to set the width of data columns Enabled time window for filtering data added to the workspace Enabled automatic detection and display of data gaps Enabled computation of monthly and yearly sums of data points. Similar to the computation of monthly and yearly averages. Includes both calendar year and water year options.
February 12, 2015	<ul style="list-style-type: none"> Enabled copy of a single selected series to the clipboard. Added information about the program’s origin and sponsor to the Overview. Documented the ability to paste from a WDL crosstab spreadsheet. Updated the description of WDL file imports.
March 2015	<ul style="list-style-type: none"> Enabled ability to paste multiple columns from a spreadsheet (tab-delimited) source. Enabled edits to time series values using a data grid on a special form.
April 2015	<ul style="list-style-type: none"> Sums by month can now be computed and plotted for a series in the workspace in the same way that monthly averages are computed and plotted. To support consistent sizing of the chart area, the current chart width and height are shown on the status bar. Also, the form opens to the size it was when last closed. When two or more series are plotted, and the first series is selected to use the right axis, the left axis label is updated to take the label from the next series. Root nodes were added to the Data Explorer tree view, one for the open database, if any, and one for the open import file. These nodes remain in place while their respective files are open. Icons were added to the Data Explorer nodes. Numeric axis grouping and decimal places set automatically. User can adjust decimal places. Time series axis grid line and tick mark intervals can be adjusted by the user. Added a title to the graphic workspace. The title can be edited.